



# LEADING BY DESIGN

## 400W

### Public Address System



IMAGE SOURCE: [HTTPS://COMMONS.WIKIMEDIA.ORG/WIKI/FILE:POLISHELIKOPTER\\_BEL\\_429.JPG](https://commons.wikimedia.org/wiki/File:Polishelikopter_BEL_429.JPG)

#### PA250 Series Power Amplifiers

AEM's PA250 series amplifier is a rugged, tactical sound system built to perform under the toughest conditions. Its durable, black anodized, aluminum chassis contains an entirely transistorized 250-watt unit—the basis for a precise, long-range signal. Protective circuitry guards the amplifier against reverse polarity, excessive current and voltage, and both internal and external short circuits.

### A trusted communication solution for light and medium turbine helicopters.

AEM's 400-watt Public Address and Siren System is designed for special-mission aircraft that require a rugged and reliable public address system with voice and siren functionality. Our 400W legacy system has been the standard for light turbine helicopters such as the B407, B429, AS350, and MD500/600 Series.

#### LSC22 & AA21-4xx Series Controllers

The LSC22 series is the latest controller for AEM's loudspeaker systems; it delivers the features and performance demanded by today's special-role aircraft operators. Eliminate cockpit noise by utilizing the front-mount auxiliary input to transmit recorded messages from an MP3 player or smartphone—no more interference from live-mic broadcasting! The convenient onboard digital storage means fast recording and playback of your messages, and a supplied radio input allows for radio rebroadcast operation. Configurable siren audio and an integrated 25W cabin PA amplifier round out the features of the LSC22. The LSC22 Series Controllers are available with optional NVIS lighting.

Similar in features and functions to the LSC22, the TSO'd AA21-4xx controller is still widely used by many global OEMs and operators. Available with standard or NVIS panel lights, AEM can also customize the AA21-4xx to meet specific customer requirements.

## VR33-001

The VR33-001 is a DC power conversion device designed to increase the nominal 28 Vdc aircraft voltage to 33 Vdc using high-speed switching DC-DC conversion. The installation of the VR33-001 voltage converter directly beneath the PA250 boosts the output power from 250W to 400W with no additional installation material required.

## 4 Bell Array Speakers

Our TS9x-04xx speaker arrays are your solution to clear air-to-ground and air-to-sea communication. Use the TS92-04xx for large area dispersions and the TS94-04xx for focussed applications—both arrays are lightweight with high output power. Flight crew and integrators will appreciate our field-replaceable driver assemblies and mechanical parts for ease of maintenance.

## 400W PA System Features

- Front-mount auxiliary input allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Completely transistorized amplifier contained in a durable, black anodized, aluminum chassis
- Protective circuitry guards the amplifier
- Power conversion device increases 28 Vdc aircraft voltage to 33 Vdc
- Various speaker options to suit the aircraft and mission



### LSC22 MECHANICAL SPECS

HEIGHT	1.11"
WIDTH	5.74"
LENGTH	6.32"
WEIGHT	1.30 LB

### PA250 MECHANICAL SPECS

HEIGHT	4.26"
WIDTH	8.75"
LENGTH	10.00" INCL. CONNECTORS
WEIGHT	6.75 LB

### VR33-001 MECHANICAL SPECS

HEIGHT	1.56"
WIDTH	7.90"
LENGTH	10.00" INCL. CONNECTORS
WEIGHT	2.7 LB

### TS9X-04XX SPECS

PLEASE REFER TO THE TS9X SERIES INSTALLATION & OPERATION MANUAL

For more details, please email  
[newproducts@aem-corp.com](mailto:newproducts@aem-corp.com)  
and see Installation & Operation  
manuals on our website:  
[aem-corp.com](http://aem-corp.com)

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